

Converting Colors

CIELCh(36, 126.958, 356.565)

Have a look what the booklet for
CIELCh(36, 126.958, 356.565)
contains.

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Color

CIELCh(51, 80.543, 9.974)

Conversions

Conversions Part 1

Format	Color
Hex	EF0066
RGB	239, 0, 102
RGB Percent	94%, 0%, 40%
CMY	0.0634, 1.0000, 0.6005
CMYK	0.00, 1.00, 0.57, 0.06
HSL	334°, 100%, 47%
HSV	334°, 100%, 94%
XYZ	37.9308, 19.2686, 14.2603
YIQ	83.0890, 109.7020, 82.3900

Conversions

Conversions Part 2

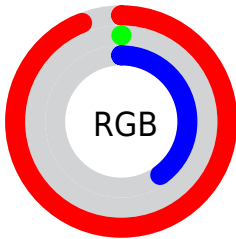
Format	Color
R_{YB}	239, 0, 102
Decimal	15663206
CIE _{Lab}	51.00, 79.33, 13.95
CIE _{LCh}	51, 80.543, 9.974
Yxy	19.2686, 0.5308, 0.2696
Android (android.graphics.Color)	4293853286 (0xFFEF0066)
YUV	83.0890, 9.3231, 136.7339
Hunter-Lab	43.8960, 77.4249, 11.4659

Details

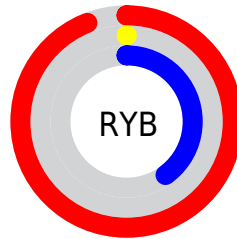
The CIELCh color **51, 80.543, 9.974** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **84, 78.882, 152.746**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.449, 1.154**, and **37, 65.448, 19.037** is the 20% darker color. If you saturate the color by 10%, you get **51, 80.506, 9.993**, and if you desaturate by 10%, it is **52, 78.373, 5.224**.

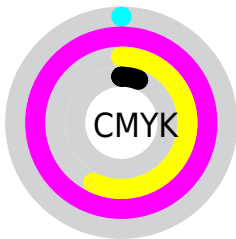
Distribution



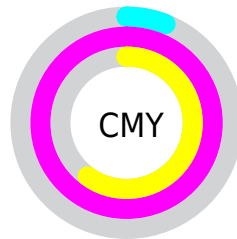
- Red (94%)
- Green (0%)
- Blue (40%)



- Red (94%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (6%)



- Cyan (6%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 80.543, 9.974 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 51, 80.543, 9.974 by changing the saturation by 10% instead.

 51, 80.543, 9.974

 51, 80.543, 9.974

 100, 80.543, 9.974

 41, 80.543, 9.974

 71, 80.543, 9.974

 31, 80.543, 9.974

 81, 80.543, 9.974

 21, 80.543, 9.974

 91, 80.543, 9.974

 11, 80.543, 9.974

 1, 80.543, 9.974

 0, 80.543, 9.974

 51, 80.543, 9.974

 51, 80.543, 9.974

 51, 80.506, 9.993

 52, 78.373, 5.224

 54, 74.602, 1.296

■ 57, 68.717,
358.202

■ 61, 60.933,
355.762

■ 65, 51.735,
353.807

■ 71, 41.658,
352.205

■ 76, 31.163,
350.857

■ 82, 20.588,
349.694

■ 88, 10.159,
348.659

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51, 80.543, 9.974



84, 78.882, 152.746

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51, 80.543, 9.974



51, 80.543, 59.974



51, 80.543, 189.974



51, 80.543, 239.974

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51, 80.506, 9.993



81, 32.863, 350.870



40, 117.239, 313.339



40, 22.465, 351.415



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 80.506, 9.993



54, 84.616, 10.192



50, 98.651, 40.542



47, 5.785, 348.607



39, 66.033, 9.062



8, 28.938, 1.384

Inverse Universe

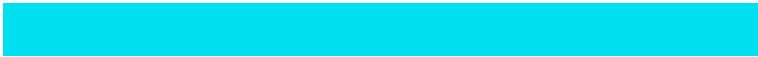
The Inverse Universe completely reimagines the original color for something new.



51, 80.506, 9.993



54, 84.616, 10.192



81, 43.744, 207.927



47, 5.785, 348.607



39, 66.033, 9.062



8, 28.938, 1.384

Previews

White Background



This preview shows how the CIELCh color 51, 80.543, 9.974 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 80.543, 9.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 80.543, 9.974

Background



This preview shows how black text looks on a background with the CIELCh color 51, 80.543, 9.974.

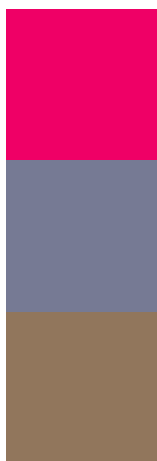


This preview shows how white text looks on a background with the CIELCh color 51, 80.543, 9.974.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51, 80.543, 9.974

Protanopia

52, 15.161, 286.574

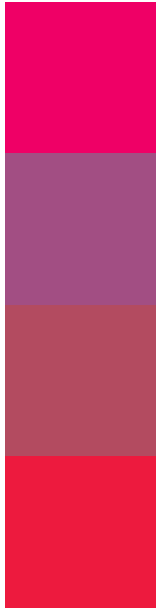
Deuteranopia

52, 19.467, 70.019



Tritanopia
51, 86.957, 35.650

Trichromacy



Original Color
51, 80.543, 9.974

Protanomaly
45, 43.609, 341.688

Deuteranomaly
46, 45.171, 11.880

Tritanomaly
51, 83.395, 26.844

Monochromacy



Original Color
51, 80.543, 9.974

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 40.850, 355.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 80.543, 9.974 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 102)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 80.543, 9.974 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 0, 102) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 0, 102) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 0, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(239, 0,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 80.543, 9.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 102) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239, 0,  
102) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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